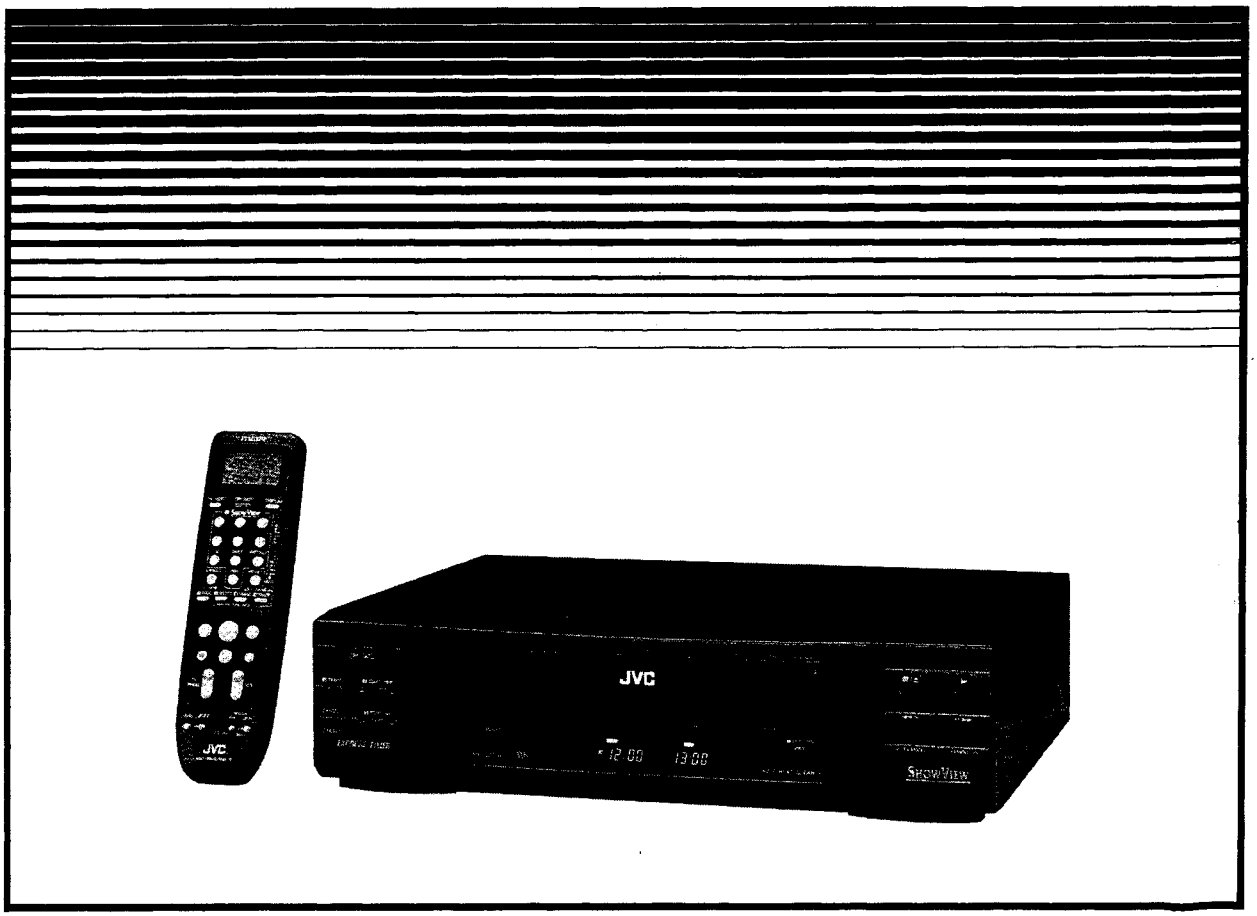
JVC

ENGLISH

VIDEO CASSETTE RECORDER

HR-J205EG/E



SHOWVIEW VHS PAL

INSTRUCTIONS

PU30425-1414

Safety Precautions

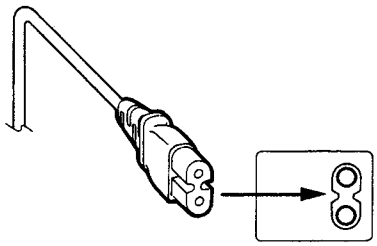
The rating plate and the safety caution are on the rear of the unit.

WARNING: DANGEROUS VOLTAGE INSIDE
WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

The OPERATE button does not completely shut off mains power from the unit, but switches operating current on and off.

This unit is produced to comply with Directives 76/889/EEC, 82/499/EEC, 87/308/EEC and Standard IEC Publ. 65.

CAUTION



- To avoid electric shock or damage to the unit, first firmly insert the small end of the AC power cord into the recorder until it is no longer wobbly, and then plug the larger end of the AC power cord into an AC outlet.
- When you are not using the recorder for a long period of time, it is recommended that you disconnect the power cord from the AC outlet.
- Dangerous voltage inside. Refer internal servicing to qualified service personnel. To prevent electric shock or fire hazard, remove the power cord from the AC outlet prior to connecting or disconnecting any signal lead or aerial.

WARNING

There are two different types of SECAM colour systems: SECAM-L, used in FRANCE (also called SECAM-West), and SECAM-B, used in Eastern European countries (also called SECAM-East).

1. This recorder can also receive SECAM-B colour television signals for recording and playback.
2. Recordings made of SECAM-B television signals produce monochrome pictures if played back on a video recorder of SECAM-L standard, or do not produce normal colour pictures if played back on a PAL video recorder with SECAM-B system incorporated (even if the TV set is SECAM-compatible).
3. SECAM-L prerecorded cassettes or recordings made with a SECAM-L video recorder produce monochrome pictures when played back with this recorder.
4. This recorder cannot be used for the SECAM-L standard. Use a SECAM-L recorder to record SEMAN-L signals.

IMPORTANT:

- It may be unlawful to record or play back copyrighted material without the consent of the copyright owner.
- Please read the "Precautions" section of this instruction manual before installing or operating the recorder.

VHS PAL HQ SHOWVIEW

- Only cassettes marked "VHS" can be used with this video recorder.
- HQ VHS is compatible with existing VHS equipment.
- ShowView is a trademark applied for by Gemstar Development Corp. ShowView system is manufactured under license from Gemstar Development Corporation.

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Controls And Indicators

Front Panel

OPERATE button and indicator

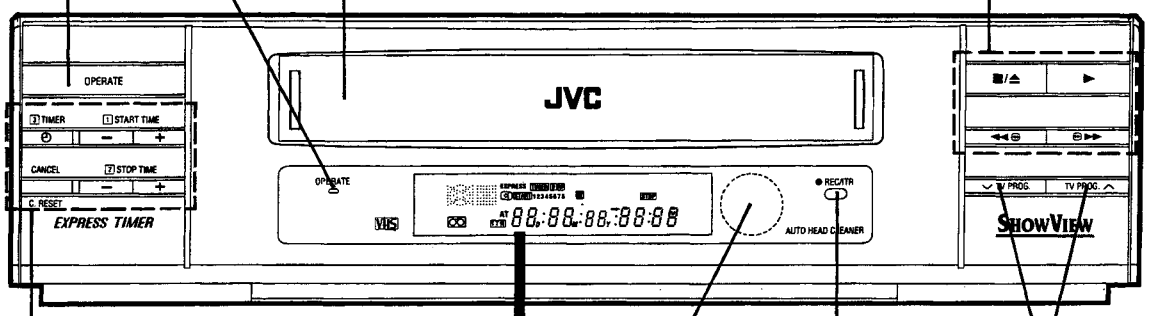
Cassette loading slot

WARNING

- Do not insert fingers or foreign objects into the cassette loading slot since this could lead to injury or damage to the mechanism. Be especially careful with children.
- Do not try to pull out a cassette once automatic loading has started.

Basic operation buttons

■/⏏	Stop/Eject
►	Play
◄◄/►►	Rewind/Fast Forward



Buttons for Express Timer programming

Infrared beam sensor window

REC(ord)/ITR button

TV PROG(ram) buttons to select a channel

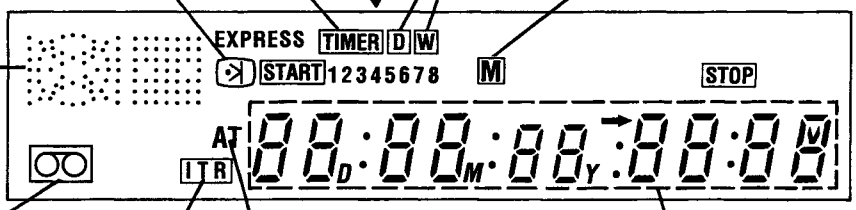
DAILY and WEEKLY programming mark

"VPS" mark

Timer mode

"Counter memory" mark

Display Panel



"Cassette loaded" mark

Automatic tracking

Instant Timer Recording

Switchable display

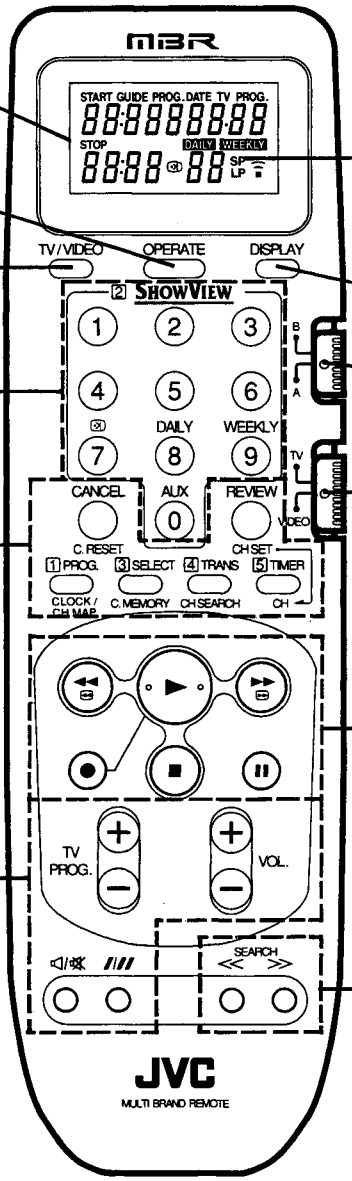
- Channel position
- Date/Clock
- AUX indicator(AU)
- Child lock indicator
- Timer start/stop time
- Instant timer recording time
- Real channel
- Realtime tape counter

Symbolic mode indicators

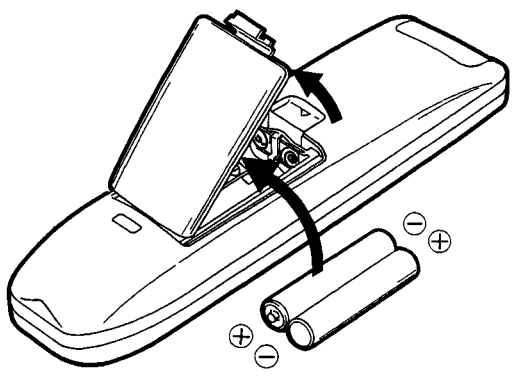
PLAY:	▷	REW VARIABLE SHUTTLE SEARCH:	◁ ◁‖
FF:	‖▷	STILL: FORWARD SLOW:	▷ ‖
REW:	◁‖	RECORD:	○
FF VARIABLE SHUTTLE SEARCH:	▷ ‖▷	RECORD PAUSE:	○ ‖

Controls And Indicators (cont'd)

Wireless Remote Control



Only SP mode is available with this recorder.
Although pressing the Digit Entry button (///) while in the ShowView or LCD Timer Program mode (☞ p. 13, 15) changes the tape speed indication, this has no actual effect.



Installing Batteries

1. Open the battery compartment cover.
2. Insert 2 "R6"-size batteries (provided) in the correct directions.
3. Replace the cover.

How To Use

The remote control can operate most of your video recorder's functions, as well as basic functions of TV sets of JVC and other brands. ☞ p. 18.

- Point the remote control toward the sensor window.
- The maximum operating distance of the remote control is about 8 m.

Connections

It's essential that your video recorder be properly connected. Follow these steps carefully. THESE STEPS MUST BE COMPLETED BEFORE ANY VIDEO OPERATION CAN BE PERFORMED.

A RECORDER-TO-TV CONNECTION

RF CONNECTION

For TV sets without AV input terminals:

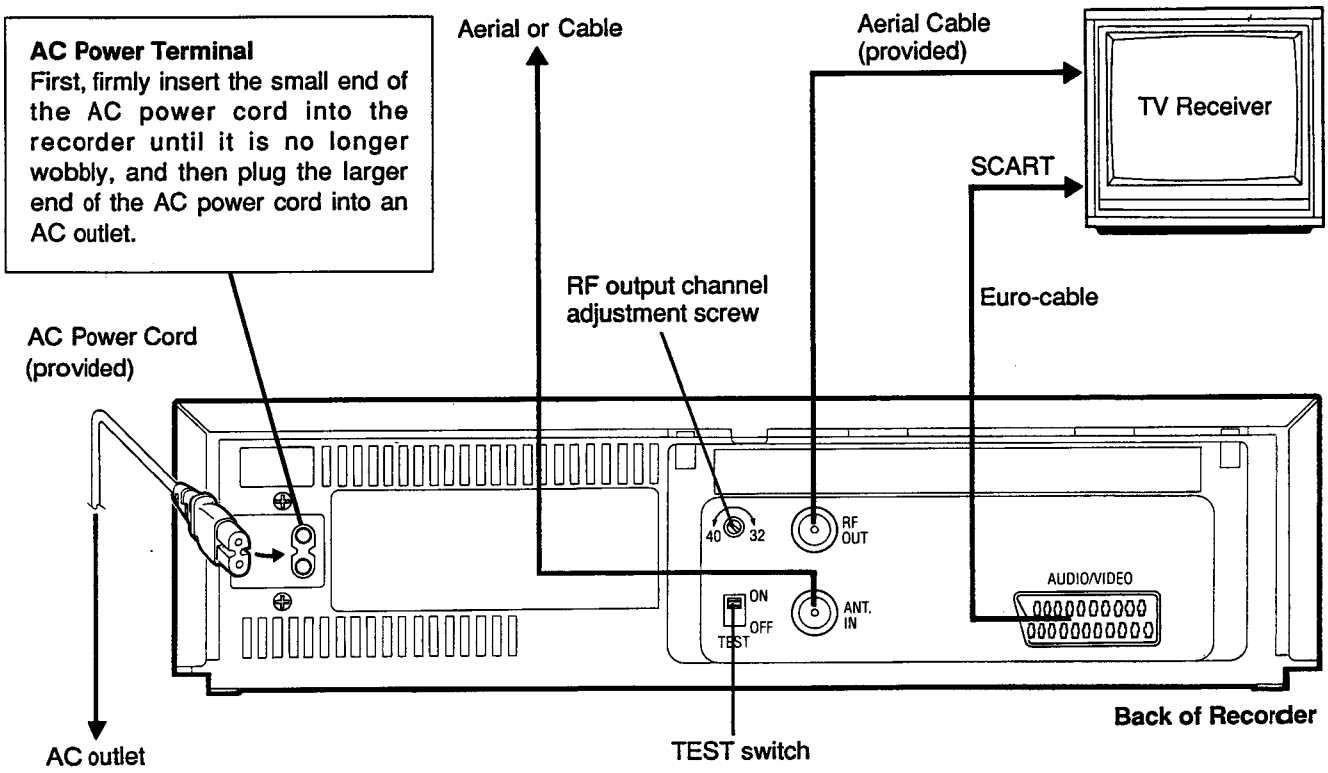
1. Connect the TV aerial cable to the recorder.
2. Connect the recorder to the TV's aerial terminal.

AV CONNECTION

For TV sets with AV input terminals:

1. Connect the aerial, recorder and TV as per "RF CONNECTION".
2. Connect the recorder to the TV's 21-pin SCART connector.

AC Power Terminal
First, firmly insert the small end of the AC power cord into the recorder until it is no longer wobbly, and then plug the larger end of the AC power cord into an AC outlet.

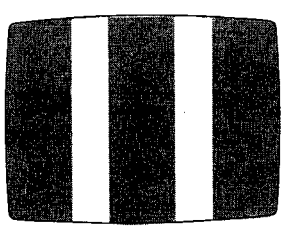


B ADJUST VIDEO CHANNEL (UHF 36)

With an RF connection, the video recorder sends picture and sound signals through the connecting cable to your TV on UHF channel 36.

TEST SIGNAL

1. Turn on the recorder.
2. Set the TEST switch to ON.
3. Set your TV to the video channel. Tune to the real channel 36, to bring the two vertical white bars on the screen most clearly.

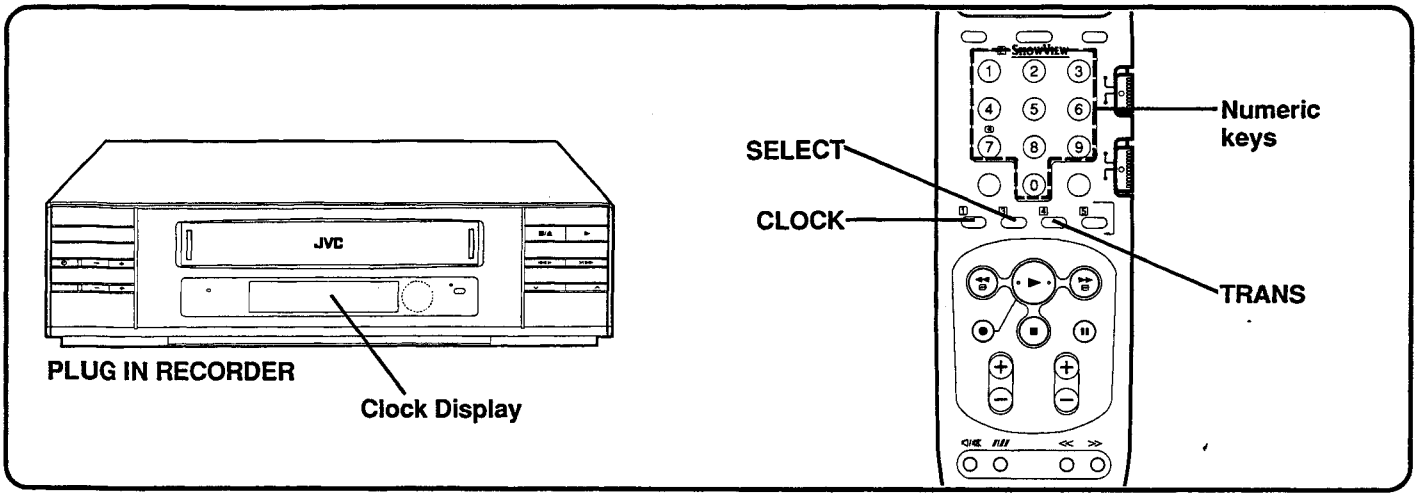


4. Your TV should be set to the channel designated for use with a video recoder or to a spare channel if there is not a specified channel.
5. Reset the TEST switch to OFF.

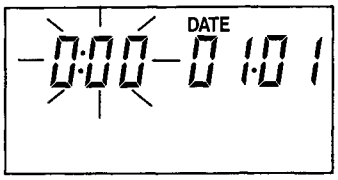
NOTE:
If some interference noise is seen on the screen because of broadcasts on neighbouring channels, it is necessary to shift the video channel from UHF channel 36. This is possible for UHF channels 32 through 40. Consult your JVC dealer for making this adjustment.

IMPORTANT:
To operate the recorder with your TV using an RF connection, it is always necessary to set your TV's channel to VIDEO CHANNEL. With an AV connection, set the TV to the VIDEO (or AV) mode.

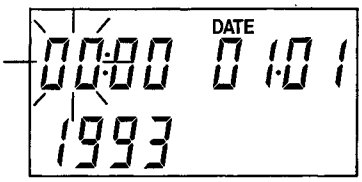
Setting The Clock



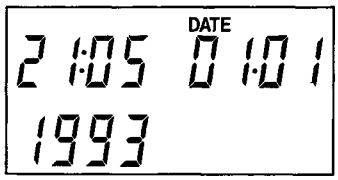
1. **Load batteries (☞ p.4).**



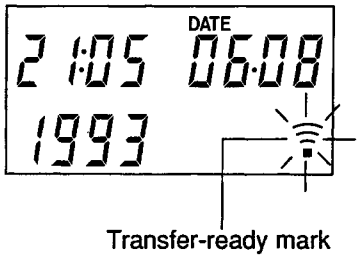
2. **Press CLOCK.**



3. **Press the appropriate numeric keys to input the time.**
   - Example: For 21:05, press 2 1 0 5.



4. **Press the appropriate numeric keys to input the day, month and year.**
   - Example: For 6th August, 1993, press 0 6 0 8 1 9 9 3.



5. **Press TRANS with the remote control directed to the recorder's remote sensor window.**
   - The remote control's clock will start. At the same time, the set data will be transferred to the recorder.

TO MAKE CORRECTIONS

Press SELECT button so that the item you want to change blinks. Re-input that item. Continue to step 5.

AFTER A POWER CUT

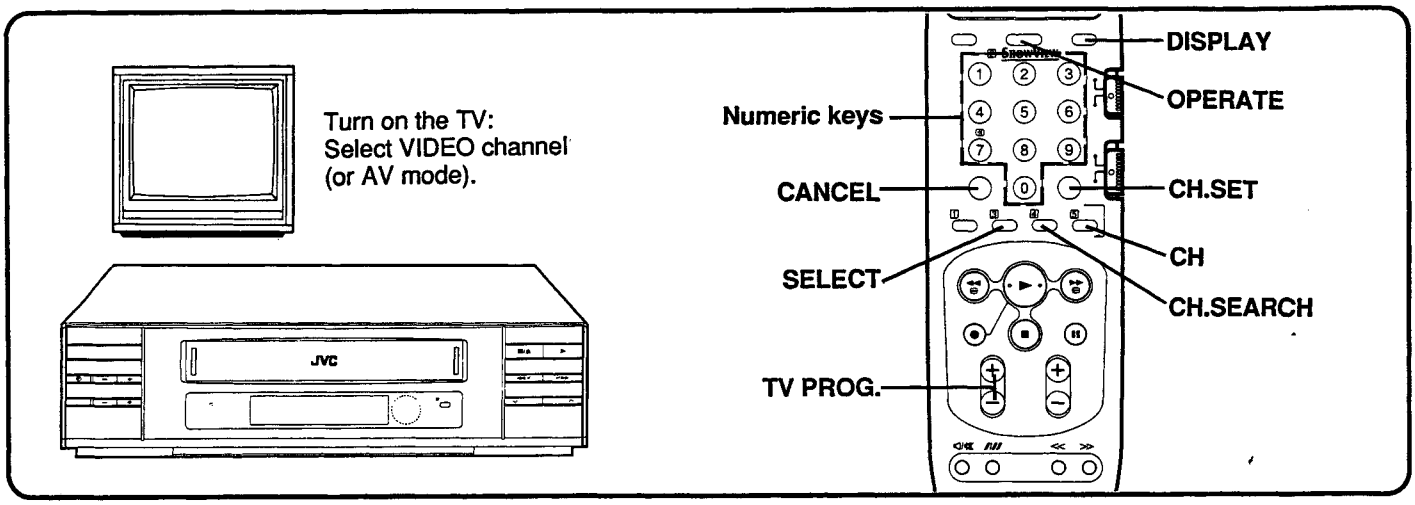
Since your video recorder has a 3-minute backup memory, it will not be affected by short power cuts. If mains power is unavailable for over 3 minutes, however, the recorder's display will reset to 0:00. In such a case, simply transfer the remote control's time to the recorder.

1. Press CLOCK three times.
2. Press TRANS with the remote control directed to the recorder's remote sensor window.

NOTES:

- If the day and month data is invalid (such as 31st April), the month digits are cleared automatically and the day digits will blink. Input again.
- If the year digits are automatically cleared in step 4, it is possible that you have input 29th February for a non-leap year. Input again.
- When the batteries are exhausted, the time display will change to "0:00" and start blinking. Replace all the batteries and set the clock again.

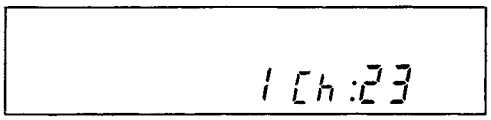
Setting The Tuner



ENGLISH

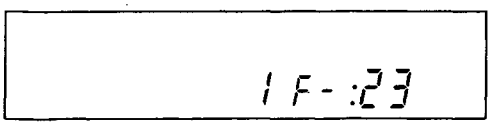
The procedure introduced here lets you assign receivable channels in your area to channel positions on your video recorder's tuner. Once stored, these can be accessed with the TV PROG. buttons.

1. **Press OPERATE to turn on the recorder.**
2. **Press CH SET.**
3. **Press CH SEARCH to start automatic scanning for receivable channels.**
   - Automatic scanning stops when a station is detected, and the channel position will blink.

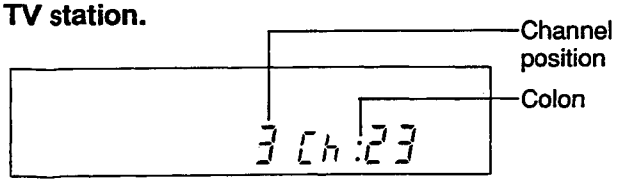


Ch = Regular CC = Cable

   - If you don't want to store the station detected, simply press CH SEARCH to continue automatic scanning.
4. **Press SELECT to fine-tune the channel, if necessary.**
   - When the picture is clear, proceed to step 7.
5. **Press TV PROG. +/– so that the picture becomes clear.**



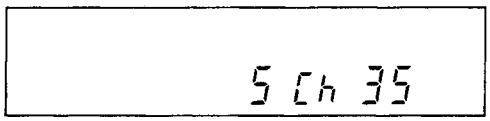
6. **Press SELECT.**
7. **Press numeric keys or TV PROG. to select the channel position where you wish to store that TV station.**



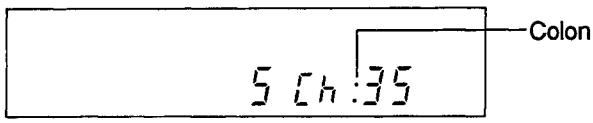
8. **Press CANCEL to store the station.**
   - The colon will disappear when the station is stored.
9. **Repeat steps 3 through 8 for other receivable channels.**
10. **Press DISPLAY to disengage the Channel Set mode.**

TO DELETE STORED CHANNELS

1. Press TV PROG. to select the channel position you want to skip.
2. Press CH SET.



3. Press CANCEL.

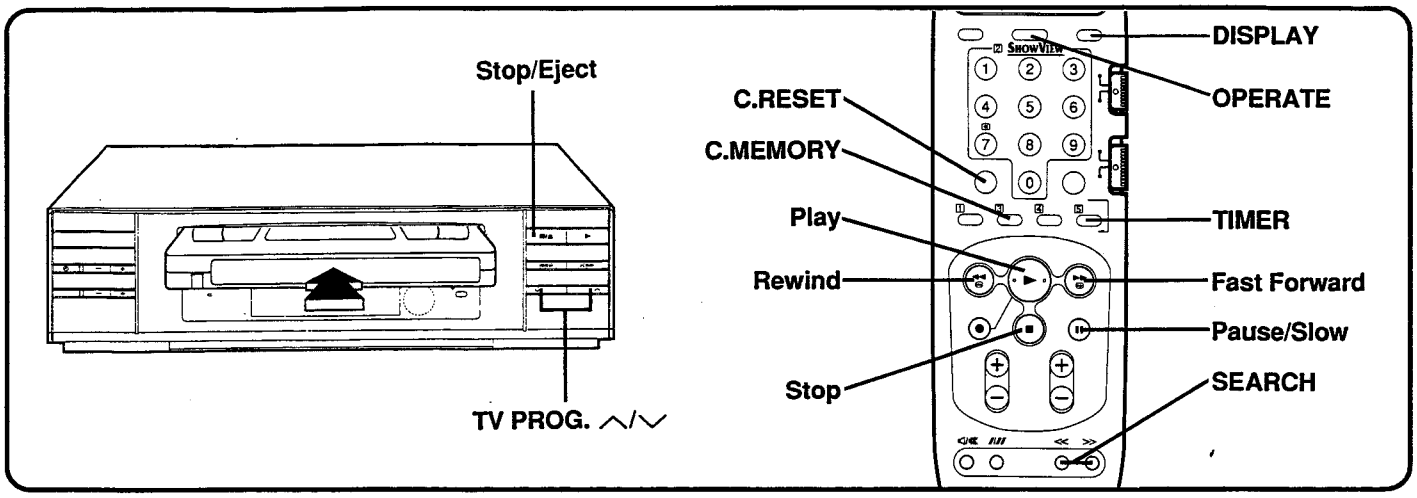


   - The colon will appear when the station is deleted. Channel position 5 can no longer be chosen by TV PROG. buttons.
4. Press DISPLAY to disengage the Channel Set mode.

TO STORE NEW CHANNELS

1. Press CH SET.
2. Press CH.
   - Real channel starts blinking.
3. Press CH to change the band between Ch and CC, if necessary.
4. Press numeric keys to input the number of the real channel you want to store.
5. Press numeric keys to input the number of a vacant channel position.
6. Press CANCEL to store the channel.
7. Press DISPLAY to disengage the Channel Set mode.

Playback



Basic Operations

Preparation

- Turn on the TV.
- Select VIDEO channel (or AV mode).

1. **Load a cassette.**
   - The recorder power will come on automatically.
   - The counter will be reset to "0:00:00" automatically.
   - If the safety tab on the cassette is removed, playback will start automatically.
2. **Press Play to start playback.**
3. **Press Stop to stop playback.**
   - To rewind the tape, press Rewind.
   - To fast-forward the tape, press Fast Forward.
   - To stop rewind or fast-forward, press Stop.
4. **Press Stop/Eject on the recorder to eject the tape.**

Variable-Speed/High-Speed Search, Still Playback/Frame Advance/Forward Slow Motion

During Playback or Still:

- Press either SEARCH button for variable-speed search.
- The more times the button is pressed, the faster the playback picture will move.
- To decrease speed, press the button for the opposite direction.

During Playback:

- Press Fast Forward for high-speed forward search, or Rewind for high-speed reverse search.
- For short searches, keep Fast Forward or Rewind pressed for more than 2 seconds. When released, normal playback will continue.
- Press Pause/Slow to view a still picture.
- Press again to advance the picture frame by frame.
- Press Pause/Slow for 2 seconds for slow motion.

Manual Tracking

Your video recorder is equipped with automatic tracking control. If you wish to adjust tracking manually, you can override this function.

During Playback:

1. Press the recorder's TV PROG. ∧/∨ buttons simultaneously.
2. Press TV PROG. ∧ or ∨ to adjust tracking.
   - Press TV PROG. ∧/∨ simultaneously to return to automatic tracking.

During Slow:

1. Simply press TV PROG. ∧ or ∨ to adjust tracking.

Other Functions

Repeat Playback

During Playback:

1. Press Play for more than 5 seconds, and release.
   - The Play indicator (▷) on the display panel will blink slowly.
   - The tape will be played all the way to the end 20 times automatically, and then stop.
2. To stop playback at any time, press Stop.

Counter Memory

During Playback:

1. Press DISPLAY until a counter reading appears on the display panel.
2. Press C.RESET at a point you wish to locate later.
   - The counter will read "0:00:00".
3. Press C.MEMORY.
   - The M indicator will light on the display panel.
4. When you wish to return to that point, press Stop and then Rewind.
   - The tape will rewind and stop at about "0:00:00" automatically.
5. To cancel the Counter Memory mode, press C.MEMORY again.

Next Function Memory

For automatic start of playback after the tape is rewound:

1. Press Rewind.
2. Press Play within 2 seconds.

For automatic power off after the tape is rewound:

1. Press Rewind.
2. Press OPERATE within 2 seconds.

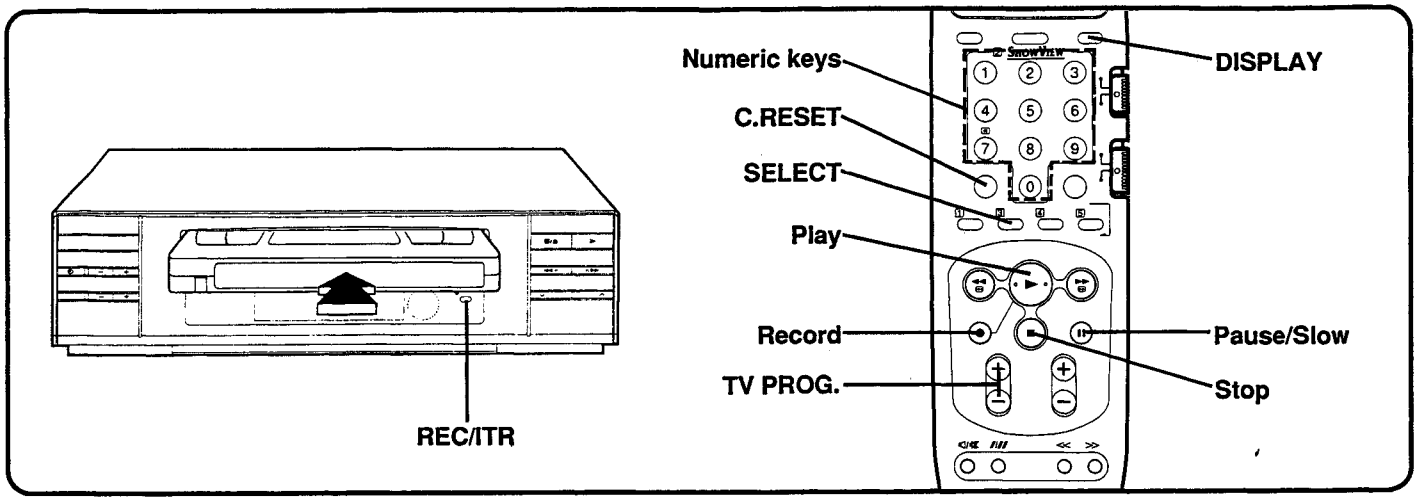
For automatic timer standby after the tape is rewound:

1. Press Rewind.
2. Press TIMER within 2 seconds.

NOTES:

- The recorder automatically stops when still continues for more than 5 minutes.
- If the still picture is unstable, use the TV PROG. buttons to correct the picture.
- During search playback, some noise bars will appear.
- There is no audio during search, slow, still, or frame-by-frame playback.
- When a new tape is inserted, the recorder enters the automatic tracking mode automatically.

Recording



Basic Operations

Preparation

- Turn on the TV.
- Select VIDEO channel (or AV mode).

1. **Load a cassette.**
   - The recorder power will come on automatically.
2. **Press TV PROG. or the numeric keys to select the channel you wish to record.**
3. **Press Record and Play simultaneously.**
4. **Press Pause/Slow to pause recording.**
5. **Press Play to resume recording.**
6. **Press Stop to stop recording.**

To Watch Another Programme While Recording

During Record:

1. Use the channel controls on the TV to select the other channel you wish to view.
   - The programme selected with the TV's channel controls will appear on the TV screen while the one selected with the video recorder's channel controls will be recorded on the tape.

Instant Timer Recording (Off Timer)

You can start a recording and then set the recorder to shut off automatically after a set duration.

During Record:

1. Press REC/ITR. "ITR" and "0:30" indications appear, advising that power will switch off after 30 minutes.
2. Press REC/ITR again to delay the off-time by 30-minute increments (up to 4 hours).
   - For more precise setting, use the remote control's SELECT and TV PROG. buttons to set the exact time required (possible up to 4 hours and 59 minutes).

Other Functions

Elapsed Recording Time Indication

When you need to know the exact time of a recording.

1. Press DISPLAY until a counter reading appears on the display panel.
2. Press C.RESET before starting recording or playback.
   - The counter will be reset to "0:00:00" and show the exact elapsed time as the tape runs.

Display Button

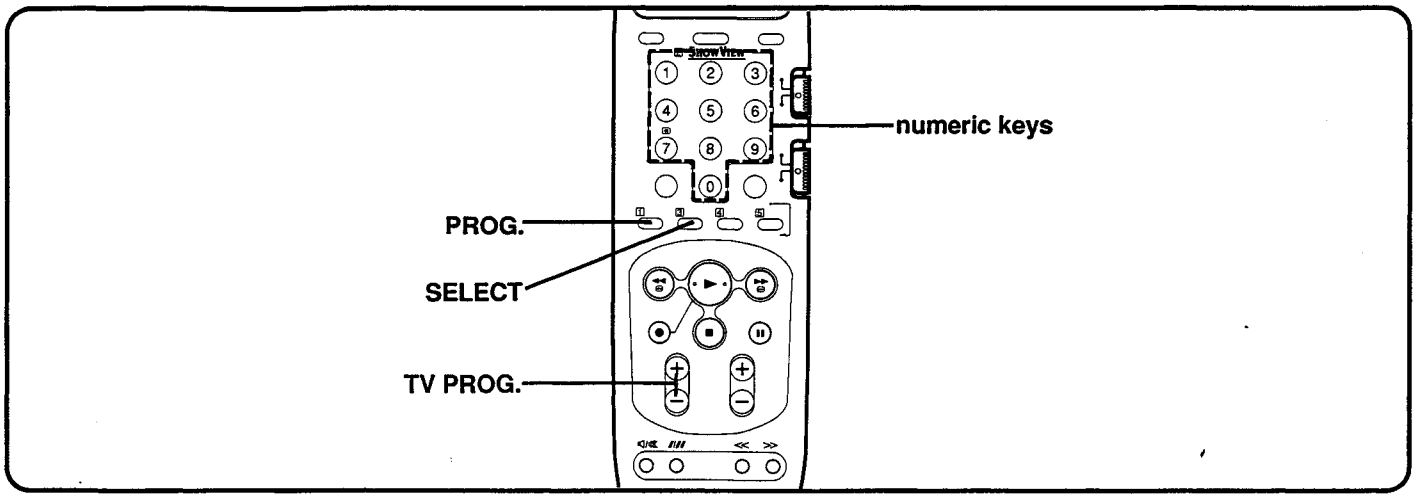
When you wish to check the time, date, or counter reading

1. Press DISPLAY to display the current clock time.
2. Press DISPLAY again to display the current date.
3. Press DISPLAY again to display the counter reading.

NOTES:

- To start recording with the recorder's REC/ITR button, press it once on its own.
- After pause, when recording is resumed, a few frames recorded before the pause may be overlapped by the new recording. This is meant to reduce picture distortion and is not a malfunction.
- The recorder automatically stops when record-pause continues for more than 5 minutes.
- If the Record button does not work, check to see if the cassette's safety tab has been removed.
- The channel cannot be changed while recording is in progress. To change the channel, engage the record-pause mode, then change the channel.
- The recorder automatically rewinds when the end of the tape is reached during recording.
- When a VPS programme is being broadcast on the selected channel, " ⊡ " mark appears on the display panel. ☞ p. 16 for information on VPS.

Preparation for ShowView Timer Programming



What is ShowView?

For timer-recording to take place, information such as the channel, date, start time and start time of the programme you wish to record, must be programmed into the recorder's timer memory. The ShowView system condenses all this information into a simple ShowView code number 4 to 9 digits long.

Since the ShowView number contains information on the channel number, if you live in an area that uses channel numbers that are different from those listed in your TV directory, these "differences" must be input into the remote control. This process is called "Channel Mapping" (CH MAP).

CHECK THE GUIDE PROG. NUMBERS

Preparation:

- Make sure you have set the clock. (☞ p. 6)
- Make sure you have set the tuner. (☞ p. 7)
- Get a TV schedule listing (magazine, newspaper, etc.) which carries ShowView code numbers.

[A] Find out the channel position numbers your recorder tunes to when you use the TV PROG. –/+ buttons (the positions you stored on page 7) and write them into the list.

Example: 1, 2, 3, 4, 6, 8, 10, 12

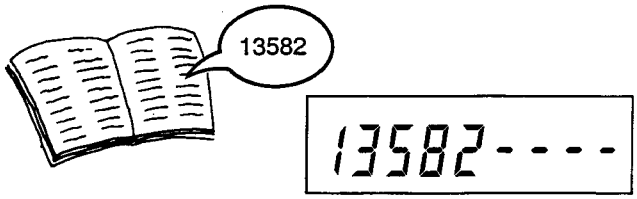
[B] Look through the TV listing and find out the broadcast station name of each of the channels.

[C] Use the ShowView numbers to find out the GUIDE PROG. numbers for each of the stations.

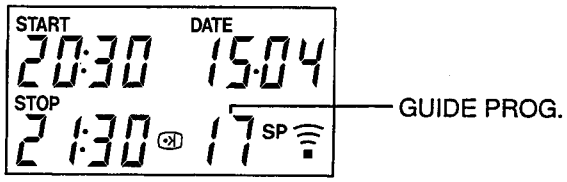
How to check:

1. **Press PROG.**

2. **Press the appropriate numeric keys to enter the ShowView number for a programme as it appears in your TV listing.**
   - Make sure the ShowView number is for a programme which has not been broadcast yet; inputing a number for a programme which has passed will cause "Err" (error) to be displayed in the LCD.



3. **Press SELECT.**

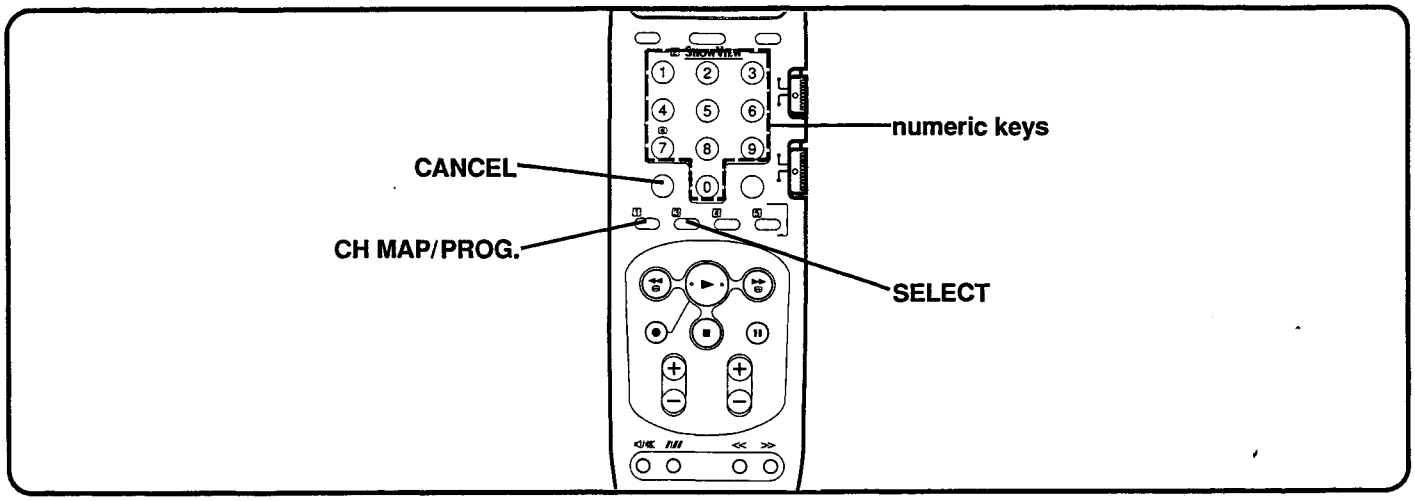


   - The number that appears as the channel number is the GUIDE PROG. number for that station. Write it into the list.

4. **Press PROG. and display the clock time.**
   - Repeat steps 1– 4 and check the GUIDE PROG. number for each of the channels your recorder receives.

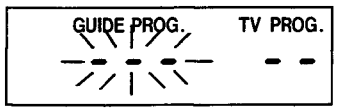
[A] Channel on your recorder (TV PROG. number)	[B] Station name	[C] GUIDE PROG. number
(ex.) 1	ARD	1
2	ZDF	2
3	WDR	17

[D] In cases where the channel number your recorder receives [A] and the GUIDE PROG. number [C] for that station do not match, it is necessary to make changes in the remote control's Channel Map. (continued on next page)

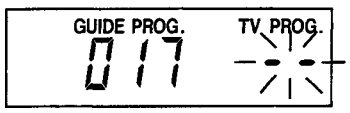


INPUT GUIDE PROG NUMBERS INTO REMOTE

1. **Press CH MAP until the Channel Map display (below) appears in the remote control's LCD.**



2. **Press the appropriate numeric keys to enter the GUIDE PROG. number (C column in your list).**
   Ex.: For "1", press
   0, 0, 1.
   For "10", press
   0, 1, 0.

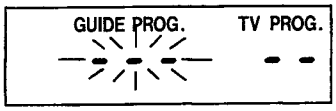


3. **Press the appropriate numeric keys to enter the channel number your recorder receives that station on. (TV PROG. number, A column in your list.)**
   Ex.: For "3", press
   0, 3.

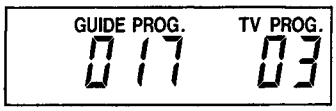
4. **Press SELECT.**
   - To input other channels into the Channel Map, repeat steps 2 – 4 above.
5. **Press CH MAP and display the clock time.**

TO CHECK/CANCEL GUIDE PROG NUMBERS IN THE REMOTE

1. Press CH MAP until the Channel Map display (below) appears in the remote control's LCD.



2. Press SELECT until the GUIDE PROG. number you wish to check or cancel is displayed.



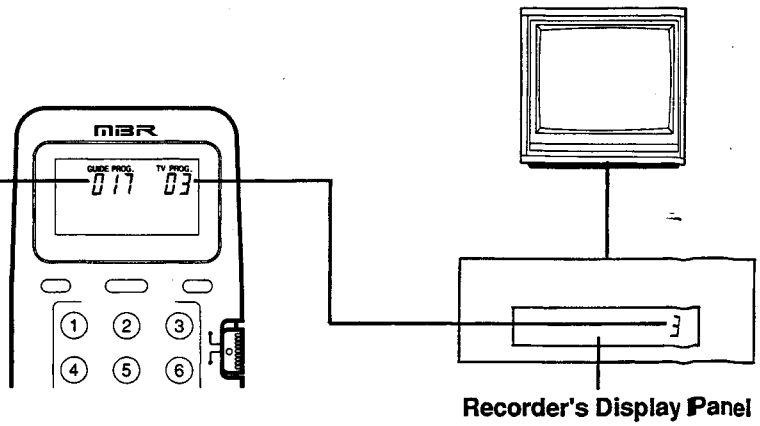
To Cancel:

3. Press CANCEL.
4. Press PROG. and display the clock time.

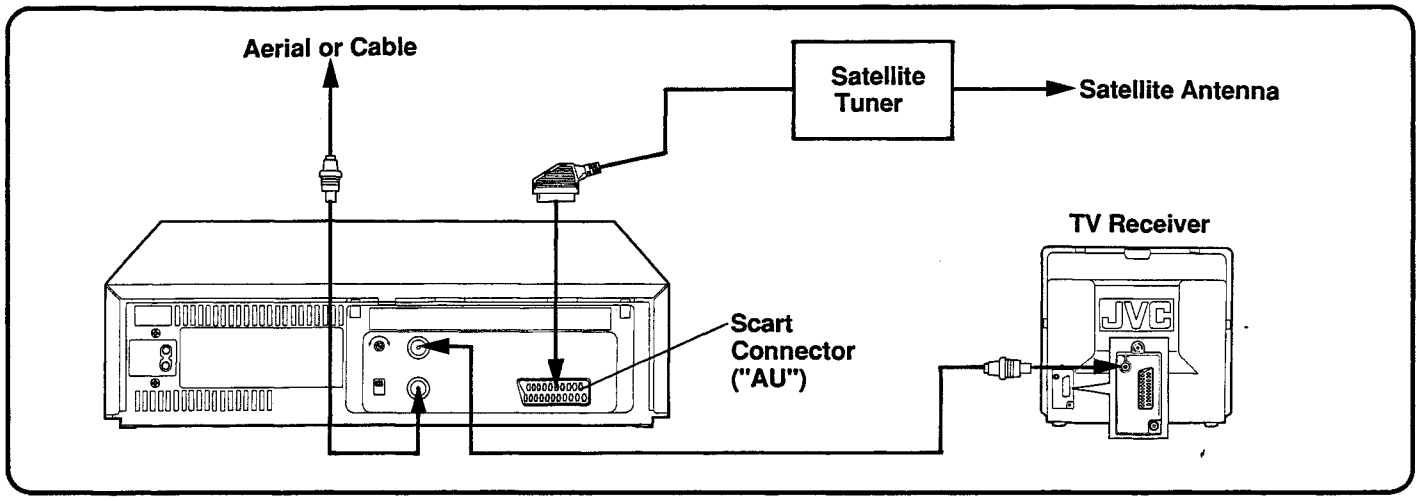
NOTE:

- When you move to another area, be sure to make changes in the Channel Map as necessary.

Ex.: From column C in the list: The GUIDE PROG. number for WDR is "17".
From column A in the list: The TV PROG. number for WDR is "3".



Preparation for ShowView Timer Programming (cont'd)



TO RECORD SATELLITE PROGRAMMES

Timer programming is also possible for programmes received via satellite tuner.

Preparation

1. **Connect the satellite tuner as illustrated to the "AU" (Scart) connector.**
2. **Press CH MAP until the Channel Map display (below) appears in the remote control's LCD.**

GUIDE PROG.	TV PROG.
- - -	- -

3. **Press the appropriate numeric keys to enter the GUIDE PROG. and TV PROG. numbers as follows:**
   - For GUIDE PROG., enter the GUIDE PROG. numbers of the satellite stations that are receivable through your satellite tuner.
   - For TV PROG., always enter "00". When "00" is entered, "AU" will appear in the LCD.

GUIDE PROG.	TV PROG.
116	AU

4. **Press SELECT.**
   - To input other satellite stations into the Channel Map, repeat steps 3 – 4 above.
5. **Press CH MAP and display the clock time.**

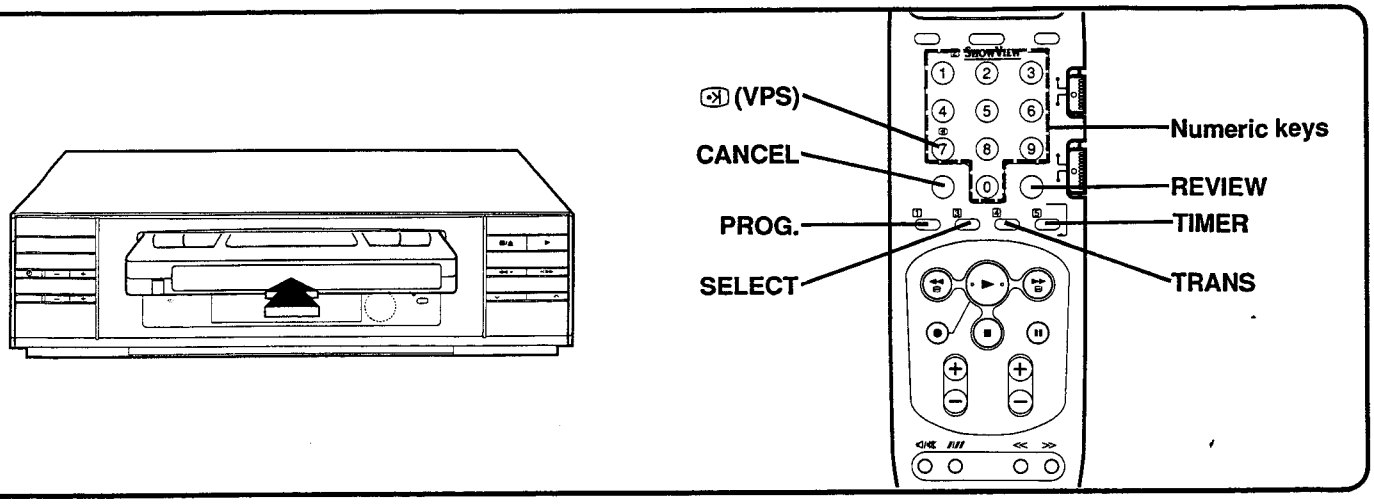
Operation

1. Turn on the satellite tuner and select the channel you wish to record.
2. Enter the ShowView number in the same way as shown in steps 1 – 6 of ShowView Timer Programming on p.13.'

NOTE:

- After selecting the programme you wish to record from your satellite tuner, set the system's timer. If your satellite tuner does not have a timer, leave it switched on.

Timer-Recording — ShowView Timer Programming —



The built-in ShowView programming system greatly simplifies timer programming because you won't have to enter all the data that is usually necessary (such as date, start and stop time, and channel).

Preparation

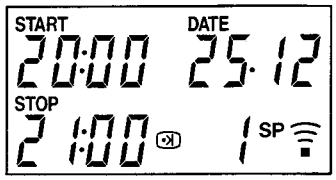
Make sure you have set the GUIDE PROG. numbers (☞ p.10 or 12).
Insert a cassette with the safety tab in place.
■ The recorder power will come on automatically.

1. **Press PROG.**

2. **Press the appropriate numeric keys to enter the ShowView number for the TV programme you wish to record.**

■ For ShowView numbers, refer to your newspaper or TV directory.

3. **Press SELECT.**



■ The LCD will show the data for the ShowView number you just entered.
■ If the entered Show-View number is not proper, "Error" appears on the LCD. Check the ShowView number again and re-enter it.
■ Normally, you should leave " (VPS) " on so you can take advantage of VPS recording*. If you wish to cancel VPS, press (VPS) (the numeric key "7").

WEEKLY program: After step 3, press numeric key "9".
DAILY program: After step 3, press numeric key "8".

4. **Press TRANS with the remote control directed toward the recorder's Remote Sensor window.**

5. **Press PROG.**

■ The LCD returns to the clock display and the entered data will be automatically cleared.
■ If you need to set another program, repeat steps 1 – 5.

6. **Press TIMER.**

■ The recorder will enter the Timer mode and power will go off.

TO MAKE CORRECTIONS

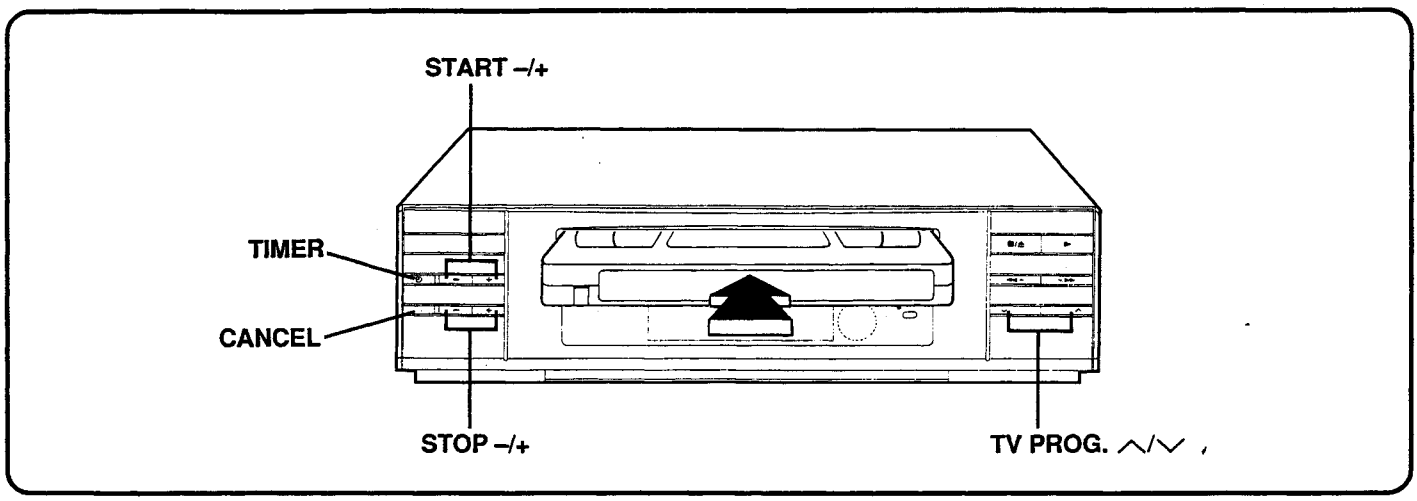
■ In step 2, press CANCEL to backspace and re-enter the correct ShowView number.
■ After checking the data in step 3, press PROG. twice and re-enter the correct ShowView number.
■ After checking the data in step 3, if you want to delay the stop time, etc. press SELECT to make the item you want to change blink, and input new data.
■ Pressing PROG. clears the programmed data.

To check, cancel and replace programs, ☞ p.15.

To use the recorder after setting to the Timer mode, ☞ p.15.

*"E" version models have no VPS capability. If your recorder is an "E" model, please disregard all references to VPS.

Timer-Recording (cont'd) — Express Timer —



The "Express Timer" is the quick, "shortcut" method of directly programming your video recorder's timer for same-day or next-morning recording. TV shows to be broadcast within 24 hours can be programmed for automatic recording simply by pressing three buttons (conveniently numbered) on your recorder's control panel.

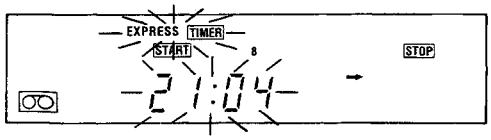
TIMER PROGRAMMING IS NOT POSSIBLE UNLESS THE CLOCK HAS BEEN SET.

Preparation

Insert a cassette with the safety tab in place.
- The recorder power will come on automatically.
- The display panel will show the channel being received.
- To change the channel, press TV PROG.

1. **Press START +.**
- The current time will appear on the display panel.

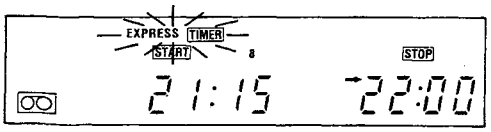
2. **Press START +/– to set the start time.**
- START + (STOP +) advances the time and START – (STOP –) reverses the time.
- Press briefly to change by 1 minute. Hold the button down to change by 30-minute increments.



- After the start time is set, the date (today or tomorrow) and channel will be displayed for 3 seconds.

3. **Press STOP +.**
- The start time will be transferred over to the stop time position.

4. **Press STOP +/– to set the stop time.**



5. **Press TIMER.**
- The recorder will enter the Timer mode and power will go off.

TO CANCEL THE PROGRAM

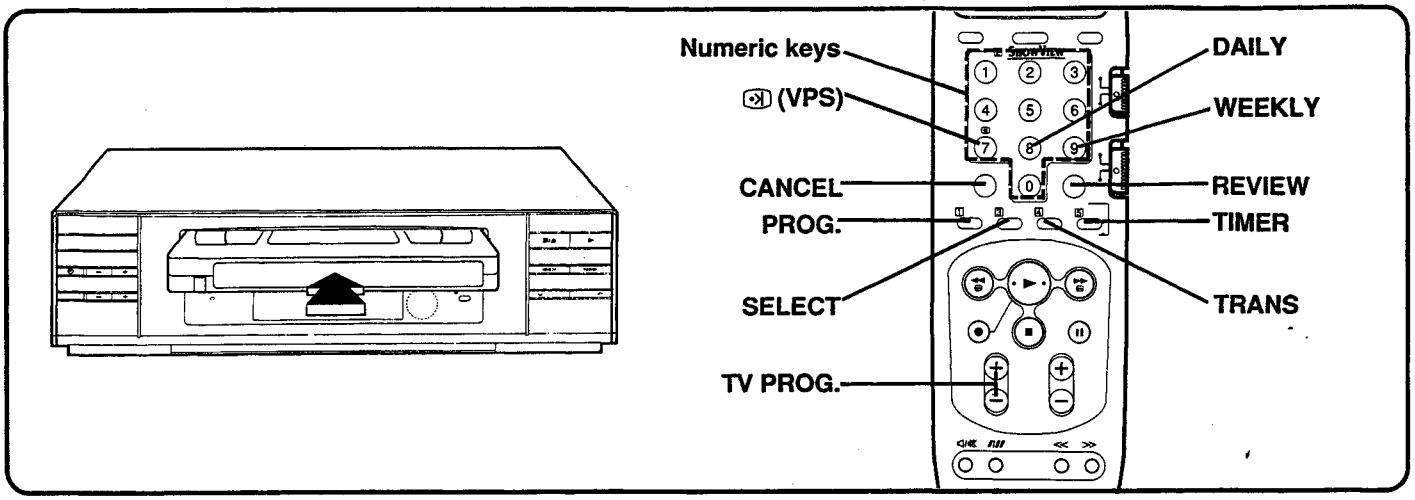
While timer programming, press CANCEL.
- Pressing CANCEL again disengages the Timer Program mode.

Or...
While in the Timer mode, first press TIMER to disengage the Timer mode, and press START TIME+. Then press CANCEL twice.

TO CHECK PROGRAMMED SETTINGS

While in the Timer mode, press START + to check the settings you have programmed. DO NOT press START + while the Timer mode is cancelled because this will clear the programmed data for a new entry.

To use the recorder after setting to the Timer mode, ☞ p.15.



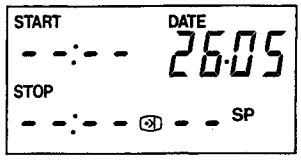
The LCD timer programming lets you input all necessary settings manually. It's helpful if the ShowView number for the TV programme you want isn't readily available.

Preparation

Insert a cassette with the safety tab in place.

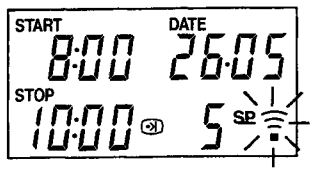
- The recorder power will come on automatically.

1. **Press PROG. twice.**
2. **Press numeric keys to input the date.**



Ex.: For 26th May, press 2 6 0 5.

3. **Press numeric keys to input the start time, stop time and channel.**



Ex.: For 8:00, press 0 8 0 0.

WEEKLY program: After inputting the channel, press numeric key "9".

DAILY program: After inputting the channel, press numeric key "8".

- Normally, you should leave (VPS) on so you can take advantage of VPS recording*. If you wish to cancel VPS, press (VPS) (the numeric key "7").

4. **Press TRANS with the remote control directed to the recorder's Remote Sensor window.**
5. **Press TIMER.**
   - The recorder will enter the Timer mode and power will go off.

*"E" version models have no VPS capability. If your recorder is an "E" model, please disregard all references to VPS.

TO MAKE CORRECTIONS

- During steps 2 and 3, press CANCEL to backspace and input new data.
- After setting the channel in step 3, press SELECT to make the item you want to change blink, and input new data.
- Pressing PROG. clears the programmed data.

TO CHECK, CANCEL AND REPLACE PROGRAMS

To check preset programs:

1. Press REVIEW until the program settings are displayed on the display panel.
   - Program 1 is displayed with the number blinking.
2. Press SELECT to review the program contents in succession.
3. To check another program, press REVIEW again.

To cancel the program:

4. Press CANCEL.
   - You can press CANCEL at any stage while the program is open.

To replace a program:

5. Use the SELECT and TV PROG. buttons to input new data.

TO USE THE RECORDER AFTER SETTING TO THE TIMER MODE

For safety, your recorder disables all other functions while in the Timer mode.

- Press TIMER to disengage the Timer mode.
- To re-engage the Timer mode, press TIMER.

Timer-Recording (cont'd)

Error Indications

The following error indications may appear on the recorder when you press the TIMER button to engage the Timer Standby mode. Here's why, and what you should do.

■ "TIMER" and "📼" on the display panel continue blinking.
WHY: There is no cassette in the recorder.
WHAT TO DO: Insert a cassette.

■ The cassette is automatically ejected. "TIMER" and "📼" continue blinking.
WHY: The inserted cassette has its safety tab removed.
WHAT TO DO: Insert a cassette with its safety tab intact. Or cover the safety tab hole of the cassette with adhesive tape and re-insert it. ☞ p.19.

■ "TIMER" blinks for 10 seconds and the Timer Standby mode is cancelled.
WHY: There are no preset programs in memory, or they have all been incorrectly preset.
WHAT TO DO: Check the programmed data and re-program it as necessary. Press TIMER again.

Other Indications

■ "TIMER" steady lit (with clock display).
WHY: The recorder is in the Timer Standby mode. This is the normal display you should see when you press the TIMER button.

■ " ◌ " and "TIMER" steady lit.
WHY: Normal display while timer-recording is in progress.

■ The cassette was ejected, with power off and "TIMER" and "📼" are blinking.
WHY: This means that the end of the tape was reached while timer-recording was in progress. Therefore, the preset program may not be recorded in its entirety.

■ "0:00" blinking.
WHY: This means the clock must be set. It's displayed when time-keeping is terminated due to a power failure or because the recorder's power plug was pulled from the AC outlet.
WHAT TO DO: Set the clock. ☞ p.6.
■ If power was interrupted, it's also likely that all preset timer programming data has been erased. Please check and re-program as necessary.

■ "-- -- -- -- --" is displayed for about 5 seconds when the TRANS button is pressed.
WHY: Data was not successfully transferred. The program may have been incorrectly preset, or the recorder's clock has not been set, or all the recorder's timer programs (1 – 7) are preset.
WHAT TO DO: Check the LCD program, and re-program as necessary. Transfer the correct data. Or cancel unnecessary programs, and transfer again.

Other Functions

VPS Recording ("EG" Version Only)

Available from some TV stations, VPS (Video Program System) is a service which assures accurate timer recording. Special code signals are transmitted so your recorder starts and stops recording when the preset TV programmes actually start and end — even if there is a schedule change. If your video recorder is an "EG" model, a VPS decoder is built-in. With "E" models, VPS recording is not possible. The following applies to "EG" models only.

TO USE VPS SERVICE

■ You do not have to cancel "VPS" even for non-VPS programmes, because those programmes will be recorded at the preset times.
■ If you wish to cancel "VPS", press the ⊡ button (the numeric key "7") on the remote control just before transferring the programmed data to the recorder. The "VPS" mark on the LCD will go out.

Locking The Recorder's Controls

To avoid unwanted operation and prevent accidental recording...
1. Press the remote control's OPERATE button to turn the recorder's power off. Keep this button pressed for about 2 more seconds after the power LED indicator has gone off.
   ■ The Child Lock indicator (–) will appear on the display panel.
2. Child Lock is cancelled when you switch the recorder's power on with the remote's OPERATE button.
   ■ Pressing the TIMER button during timer-recording also cancels the Child Lock mode.

NOTES:

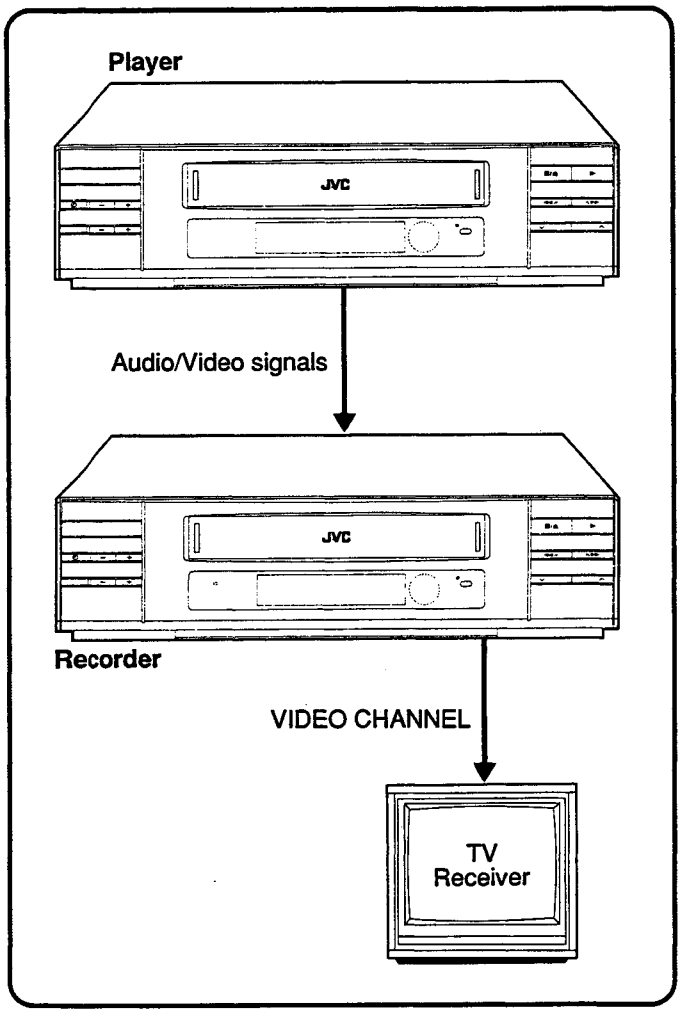
■ While Child Lock is engaged, make sure you keep your remote control in a safe place inaccessible to children.
■ Timer-recording is possible in the Child Lock mode. After timer-recording is done, Child Lock remains in effect.

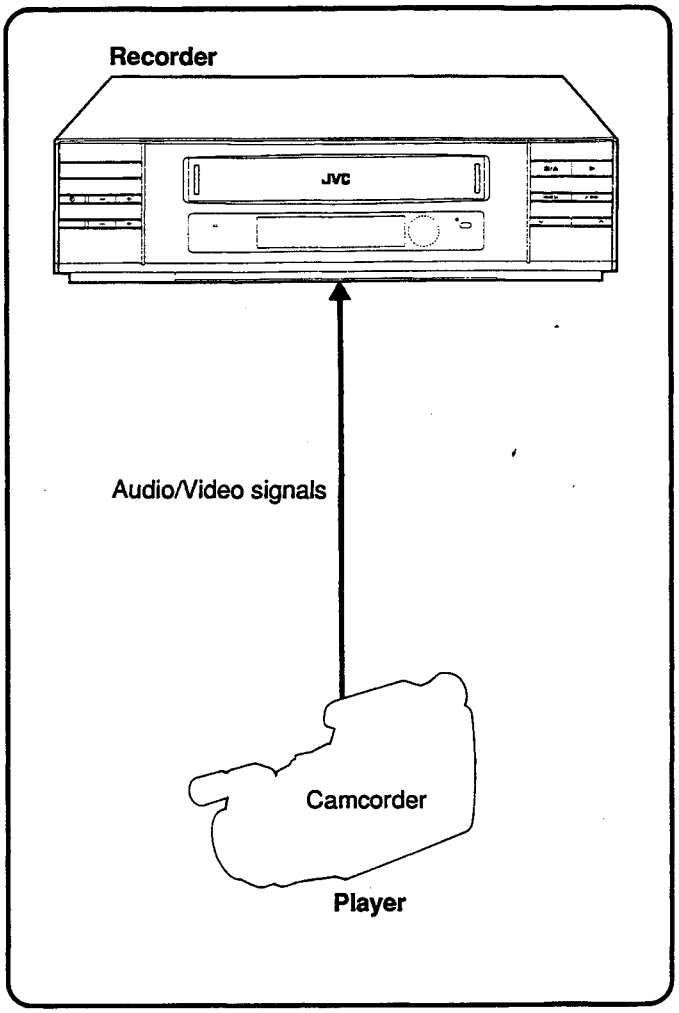
Remote A/B Code Switching

The remote control is capable of controlling two JVC video recorders independently; one set to respond to your remote control's A code control signals and another set to respond to B code control signals. The remote control is preset to send A code signals because your video recorder is initially set to respond to A code signals. You can easily modify your video recorder to respond to B code signals.
1. Unplug the recorder's power cord from the AC outlet.
2. Set the A/B CODE switch to B.
3. Plug the power cord back into the AC outlet. Do not use other remote controls at this stage.
4. Turn the recorder power on using the remote control's OPERATE button. The recorder will now only respond to B code signals.

NOTE:
Some TV sets may malfunction in response to the B mode. If this happens switch back to the A mode.

Editing





Editing To/From Another Recorder

Preparation

Connect the player's AUDIO/VIDEO connector to the recorder's AUDIO/VIDEO connector.

1. **Select the recorder's external input mode.**
   - With this video recorder, press the numeric key "0". "AU" will appear instead of a channel number.
2. **Put the player in the Play mode.**
3. **Put the recorder in the Record mode.**

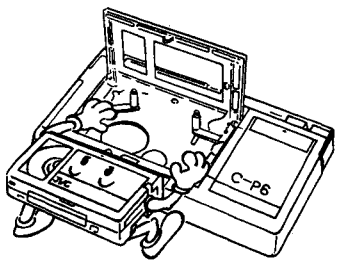
Editing From A Camcorder

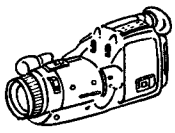
Preparation

Connect the camcorder's AV OUT connector to the recorder's AUDIO/VIDEO connector.

- If the camcorder's AV output cable includes a mini-plug, leave it unconnected.

1. **Select the recorder's external input mode by pressing numeric key "0". "AU" will appear instead of a channel number.**
2. **Put the camcorder in the Play mode.**
3. **Put the recorder in the Record mode.**

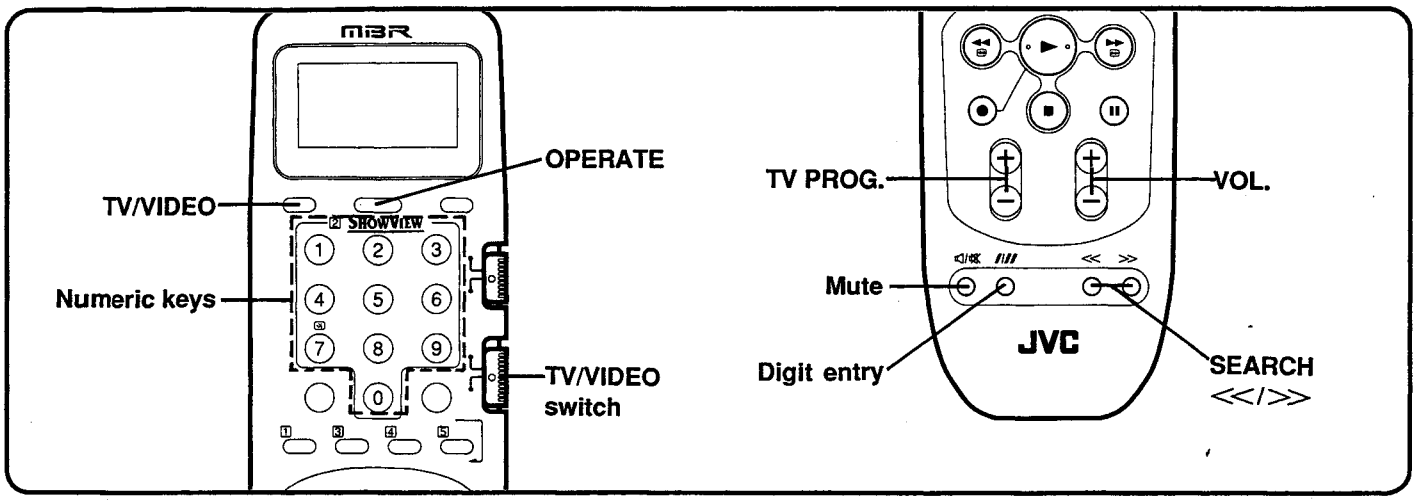




To Watch A Compact VHS Tape

Compact VHS camcorder recordings (PAL) can be played on your video recorder. Place the recorded cassette into a C-P6 Cassette Adapter and it can be used like any full-sized VHS cassette.

Using The Remote Control For TV Operation



TV Code Setting

Your remote control can operate the basic functions of your TV set. In addition to JVC televisions, other manufacturers' televisions listed on the right can also be controlled by setting the remote control to "TV". If your television is a JVC (Code 1), you don't have to set the TV code in step 2.

1. Set the TV/VIDEO switch to "TV".
2. While holding down the OPERATE button, press the numeric keys corresponding to the code number for your TV's brand.
   - Press OPERATE to turn the TV power on.
   - Press TV/VIDEO to switch the TV between TV and VIDEO (or AV) mode.
   - Press TV PROG. to select the TV's channel.
   - Press VOL. to adjust the TV's sound volume.
   - Press Mute to mute the TV's sound.
3. To operate your recorder, set the TV/VIDEO switch back to "VIDEO".

NOTE:

- The TV PROG. button does not function with televisions using Code 2.
- The TV/VIDEO button does not function with televisions using Code 3.
- With some televisions, the OPERATE button functions only to turn the TV power off, and the TV/VIDEO button functions only to switch the TV to the VIDEO (AV) mode.
- Whenever you replace batteries in the remote control, it is necessary to re-set the TV code if your television is not a JVC TV.

IMPORTANT

Although the provided remote control unit is compatible with JVC televisions, as well as many TV models manufactured by others, it is possible that the provided remote control will not work with your TV, or in some instances, will have limited function capability.

CODE	TV BRAND NAME
1	JVC
2	BRANDT, NORDMENDE, SABA, TELEAVIA, TELEFUNKEN, THOMSON
3	FERGUSON
4	PHILIPS
5	BLAUPUNKT, GRUNDIG
6	SONY
7	PANASONIC
0	GRAETZ, ITT, LUXOR, SALORA, SELECO

To Control Your Television With Additional Buttons

The numeric keys can also be used to select the TV's channel by setting the remote control to the TV mode.

1. Set the TV/VIDEO switch to "TV".
2. Use the numeric keys and the Digit entry button or the SEARCH <</>> buttons to select the TV's channel.
   - With televisions using Code 1, 3, 4, 6 or 7 the Digit entry button corresponds to the 1-digit/2-digit entry switching button (often labelled -/--) of your TV's remote control.
   - With televisions using Code 1, 5 or 0, the SEARCH >> button corresponds to the 10 + button, and the SEARCH << button, to the 20 + button of your TV's remote control.

NOTE:

The way these buttons are used is determined by your TV. Use these buttons as instructed for your TV's remote control.

Precautions

Please follow these safety precautions. Not doing so may result in damage to the recorder, remote control, or video cassette.

- **Avoid extreme heat and direct sunlight.**
- **Avoid extreme cold.**
- **Avoid extreme humidity.**
- **Avoid dust.**
- **Avoid places subject to vibrations.**
- **Avoid strong magnetic fields.**
- **Do not block the recorder's ventilation openings.**
- **Do not place anything heavy on the recorder or remote control.**
- **Do not place anything which might spill on top of the recorder or remote control.**
- **Do not place the recorder on cushions, pillows, or thick carpeting.**
- **Use the recorder in a stable, horizontal position only.**

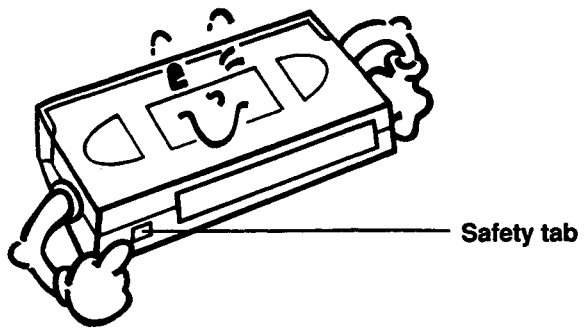
Beware of moisture condensation
Moisture in the air will condense on the recorder when you move it from a cold place to a warm place, or under extremely humid conditions — just as water droplets form on the surface of a glass filled with cold liquid. Moisture condensation on the head drum will cause damage to the tape. In conditions where condensation may occur, keep the recorder's power turned on for a few hours to let the moisture dry.

When transporting
- Be sure to remove cassette from recorder before packing.
- Avoid violent shocks to the recorder during packing and transport.

Place cassettes in cassette cases and store vertically.

Special Note On Video Cassettes

To prevent accidental recording on a recorded cassette, remove its safety tab. To record on it later, cover the hole with adhesive tape.



Specifications

ENGLISH

GENERAL

Power requirement	: AC 220 – 240 V∿, 50/60 Hz
Power consumption	: 19 W
Temperature	
Operating	: 5°C to 40°C
Storage	: –20°C to 60°C
Dimensions (WxHxD)	: 360 x 94 x 303 mm
Weight	: 4.3 kg
Format	: VHS PAL standard

VIDEO/AUDIO

Signal system	: PAL-type colour signal and CCIR monochrome signal, 625 lines/50 fields
Recording system	: Rotary, slant azimuth two-head helical scan system
Signal-to-noise ratio	: 43 dB (Rohde & Schwarz noise meter)
Horizontal resolution	: 250 lines
Frequency range	: 70 Hz to 10,000 Hz
Input/Output	: 21-pin scart connector

TUNER/TIMER

Channel coverage	: VHF 47 – 89/104 – 300/ 302 – 470 MHz UHF 470 – 862 MHz
Aerial output	: UHF channel 36 (Adjustable 32 – 40)
Memory backup time	: Minimum 3 min.

ACCESSORIES

Provided accessories	: Aerial cable, Infrared remote control unit, "R6" battery x 2, AC power cord

Design and specifications subject to change without notice.

In Case Of Difficulty

POWER AND TAPE TRANSPORT PROBLEMS

Symptoms	Check points
No power is applied to the recorder.	■ Is the power cord disconnected? — Connect it.
Clock is functioning properly, but the recorder cannot be powered.	■ Is "TIMER" displayed on the display panel? — Press the TIMER button to extinguish the display.
Tape stops during rewind or fast-forward.	■ Is the C. MEMORY button pressed? — Press again to make "M" disappear from the display panel.

RECORDING PROBLEMS

Symptoms	Check points
Recording cannot be started.	■ Is a cassette loaded? ■ Is the safety tab on the cassette removed? — Reseal the slot with adhesive tape.
TV broadcasts cannot be recorded.	■ Has "AU" been selected? — Set to the desired channel.
Tape-to-tape editing or camera recording is not possible.	■ Is the camcorder or another video recorder correctly connected? ■ Are all necessary power switches turned ON? ■ Has "AU" been selected? — Set to "AU".
Timer recording is not possible.	■ Have you set the clock correctly and programmed the timer correctly? — Check once again. ■ Is "TIMER" displayed on the display panel? — If not, press the TIMER button to display "TIMER".
ShowView timer recording is not possible, or cannot be done correctly.	■ Have you set GUIDE PROG. numbers into the remote control correctly? (☞ p.10, 11) ■ Did you enter the correct ShowView number for that programme? (☞ p.13)

PLAYBACK PROBLEMS

Symptoms	Check points
Playback picture does not appear while the tape is running.	■ If you are using RF OUT connection, is the TV receiver's channel selector set to the correct video channel? — Set it to the RF converter channel (UHF 36). (☞ p.5) ■ If you are using AV connection, is the TV receiver set to the AV mode? — Set it to the AV mode.
Noise appears during visual search.	■ This is normal.
Noise appears during normal or slow-motion playback.	■ Is the automatic tracking mode engaged? — Try manual tracking. (☞ p.8)
Playback picture is blurred or interrupted while TV broadcasts are clear.	■ Video heads may be dirty. — Head cleaning is necessary. Consult your JVC dealer. (☞ p.21)

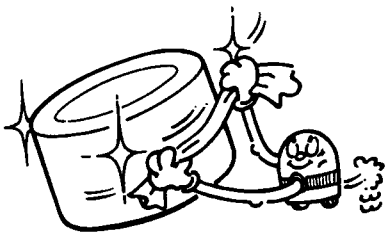
OTHERS

Symptoms	Check points
Whistling or howling is heard from TV during camera recording.	■ Move VideoMovie or camera's microphone away from TV or reduce TV sound volume.
Some channels are skipped over when scanning channels.	■ Those channels are preset to be skipped over. If you need them, restore them. (☞ p.7)
Channel cannot be switched.	■ Is recording in progress? — Press the Pause/Slow button, change the channel, and press the Play button.
Remote control does not function.	■ Are the batteries discharged? — Replace with new ones. ■ Is the A/B code switch set to the appropriate position? ■ Is the TV/VIDEO code switch set to the appropriate position? — Check once again.

ATTENTION:
This recorder contains microcomputers. External electronic noise or interference could cause malfunctioning. In such cases, switch the power off and unplug the power cord. Then plug it in again and switch on. Take out the cassette. After checking the cassette, operate the unit as usual.

Special Note On Head Cleaning

Accumulation of dirt and other particles on the video heads may cause the playback picture to become blurred or interrupted. Although this model is equipped with a built-in head cleaner which automatically cleans the heads, reducing the likelihood of dirty heads, if such troubles are encountered please consult the nearest JVC dealer.



Auto Head Cleaner

A built-in head cleaner automatically cleans the video heads and head drum whenever a tape is loaded or unloaded to reduce head clogging.